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HUNGARIAN PLANTS EVOLVE DURABLE MOLD, INCREASE DURABILITY OF ROLLERS

NEW MOLD IS TIMESAVING, ECONOMICAL -- Budapest, Szabad Nep, 29 Nov 52

Alajos Laszlo, a foundryman of the Rakosi Matyas Muvek (Matyas Rakosi Works) has succeeded in making a mold which can be used 40-50 and in some instances 100 times.

The mold was prepared in the following manner:

A mass was prepared of coarse ground chamot and clay into which a solution of potassium silicate was introduced as a binder. Sawdust was added to render the mass porous after drying. The mold was baked for 2 hours, then lined with a coating of mud approximately three quarters of an inch thick to prevent breakage when the casting was removed. The mud lining consisted of various Hungarian sands combined with lumpy graphite. The lined mold was coated with a solution of graphite to prevent the lining from baking to the casting.

The first tests failed because Laszlo used fresh sand for the aperture of the mold. Since this would not resist the washing action of the stream of metal, the castings were faulty. However, when sand of the type used for cores was substituted, perfect castings resulted.

The new mold is timesaving and economical. It can be used wherever large, simple pieces such as pistons, steam cylinders, and revolving parts are cast.

MIX IRON, MAGNESIUM FOR ROLLERS -- Budapest, Nepszava, 21 Jan 53

The Vasipari Kutato Intezet (Iron Industry Research Institute) has found that mixing iron with magnesium triples the life of rollers.

The hardness of rollers has long been a problem to the rolling mills, which find that their rolling equipment, particularly bearings, wears out under the strain of accelerated production.

The Ganz Torzsgyar (Ganz Body Plant) will begin series production of rollers treated with magnesium in February.

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